

Title (en)

PROCESS FOR THE PREPARATION OF A SUBSTITUTED SUCCINIC ANHYDRIDE

Publication

EP 0317005 A3 19901107 (EN)

Application

EP 88202527 A 19881110

Priority

US 12025787 A 19871113

Abstract (en)

[origin: EP0317005A2] Olefinically unsaturated compounds are reacted with maleic anhydride to form the corresponding succinic anhydride, in the presence of an additive, aluminium acetylacetonate, which prevents side reactions. These products are used for the preparation of anticorrosive agents.

IPC 1-7

C07D 307/60; C07C 57/13; C07C 51/567

IPC 8 full level

C07D 307/60 (2006.01); **B01J 31/22** (2006.01); **C07B 61/00** (2006.01); **C07C 51/567** (2006.01); **C10M 129/42** (2006.01); **C23F 11/173** (2006.01)

CPC (source: EP US)

C07C 51/567 (2013.01 - EP US); **C10M 129/42** (2013.01 - EP US); **C23F 11/173** (2013.01 - EP US); **C10M 2207/123** (2013.01 - EP US); **C10M 2207/129** (2013.01 - EP US); **C10M 2207/22** (2013.01 - EP US); **C10N 2030/12** (2013.01 - EP US)

Citation (search report)

- [A] US 4086251 A 19780425 - CENGEL JOHN A, et al
- [A] PATENT ABSTRACTS OF JAPAN, vol. 10, no. 4 (C-322)[2061], 9th January 1986; & JP-A-60 163 839 (KAO SEKKEN K.K.) 26-08-1985

Designated contracting state (EPC)

BE DE FR GB IT NL

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US 4761488 A 19880802; BR 8805888 A 19890801; CA 1291145 C 19911022; DE 3887963 D1 19940331; DE 3887963 T2 19940609; EP 0317005 A2 19890524; EP 0317005 A3 19901107; EP 0317005 B1 19940223; JP 2523360 B2 19960807; JP H01165580 A 19890629

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US 12025787 A 19871113; BR 8805888 A 19881110; CA 581287 A 19881026; DE 3887963 T 19881110; EP 88202527 A 19881110; JP 28265888 A 19881110